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|  |   |    |   | Application Number       | <del>Unknown</del> 10/695195   |
|  |   |    |   | Filing Date              | <del>Herewith</del> 10/27/03   |
|  |   |    |   | First Named Inventor     | Jacqueline C. TIMANS           |
|  |   |    |   | Art Unit                 | <del>Unknown</del> 1646        |
|  |   |    |   | Examiner Name            | <del>Unknown</del> Prerna Menz |
|  |   |    |   | Attorney Docket Number   | DX0904KB                       |
| Sheet  | 1 | of | 5 |                          |                                |

**U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant, Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |  |                |
| PM                 | AA                    | WO 99/06426   | 02-11-1999                     | PCT  | pages 1 and 13   |                |
|                    | AB                    | WO 99/07850   | 02-18-1999                     | PCT  |  |                |
|                    | AC                    | WO 99/36541   | 07-22-1999                     | PCT  |  |                |
|                    | AD                    | EP 0 541 920 A1   | 05-19-1993                     | EPO  |  |                |
|                    | AE                    | EP 0 855 404 A1   | 07-29-1998                     | EPO  |  |                |
| ✓                  |                       |   |                                |  |  |                |

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| Examiner<br>Signature | Prema Menz | Date<br>Considered | 10/6/05 |
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|   |   |    |   | Filing Date              | Herewith 10/27/03    |
|   |   |    |   | First Named Inventor     | Jacqueline C. TIMANS |
|   |   |    |   | Art Unit                 | Unknown 1646         |
|   |   |    |   | Examiner Name            | Unknown Prerna Menz  |
| Sheet   | 2 | of | 5 | Attorney Docket Number   | DX0904KB             |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
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| PM                              | AF                    | P.E. AURON, et al., GenPept, Accession Number 124303, July 15, 1998. Definition: INTERLEUKIN-1 BETA PRECURSOR (IL-1 BETA) (CATABOLIN)"  |                |
|                                 | AG                    | GREGORY J. BANCROFT, et al., Immunol. Reviews, 124:5-24, 1991. "Natural Immunity: A T-Cell-Independent Pathway of Macrophage Activation, Defined in the scid Mouse"   |                |
|                                 | AH                    | J. FERNANDO BAZAN, et al., Nature, 379:591, February 15, 1996. "A newly defined interleukin-1?"   |                |
|                                 | AI                    | MARCIA P. BELVIN, et al., Annu. Rev. Cell Dev. Biol., 12:393-416, 1996. "A conserved signaling pathway; The Drosophila TollDorsal Pathway"  |                |
|                                 | AJ                    | M.J. CARRIER, GenBank, Accession Number X64532, June 25, 1997. Definition: "H.sapiens gene for interleukin-1 receptor antagonist"   |                |
|                                 | AK                    | D.B. CARTER, et al., GenPept, Accession Number 124312, July 15, 1998. Definition: Interleukin-1 receptor antagonist protein precursor (IL-1RA) (ICIL-1RA) (IRAP)"   |                |
|                                 | AL                    | FABIO COMINELLI, et al., J. Biol. Chem., 269(9):6962-6971, March 4, 1994. "Rabbit Interleukin-1 Receptor Antagonist"  |                |
|                                 | AM                    | F. COMINELLI, et al., GenBank, Accession Number S68977, September 22, 1994. Definition: "sIL-1ra=interleukin-1 receptor antagonist secreted form [rabbits, colon tissue, mRNA, 574 nt.]"  |                |
|                                 | AN                    | CHARLES A. DINARELLO, Blood, 77(8):1627-1652, April 15, 1991. "Interleukin-1 and Interleukin-Antagonism"  |                |
|                                 | AO                    | CHARLES A. DINARELLO, The FASEB Journal, 8:1314-1325, December 1994. "The interleukin-1 family: 10 years of discovery"  |                |
|                                 | AP                    | CHARLES A. DINARELLO, Blood, 87(6):2095-2147, March 15, 1996. "Biologic Basis for interleukin-1 in Disease"   |                |
|                                 | AQ                    | W.H. GILMORE, et al., GenBank, Accession Number Z70047, March 11, 1996. Definition: "C.familiaris mRNA for interleukin-1 beta"  |                |
|                                 | AR                    | F. GOTO, et al., GenBank, Accession Number D21832, April 21, 1994. Definition: "Rabbit mRNA for interleukin-1 receptor antagonist, complete cds."   |                |
|                                 | AS                    | ANGELA M. GRONENBORN and G. MARIUS CLORE, Protein Engineering, 4(3):263-269, 1991. "Modeling the three-dimensional structure of the monocyte chemo-attractant and activating protein MCAF/MCP-1 on the basis of the solution structure of interleukin-8"        |                |
|                                 | AT                    | H. HAMADA and R.C. MULLIGAN, et al., GenBank, Accession Number M57526, January 30, 1992. Definition: "Rabbit interleukin-1 receptor antagonist (IL1RA) mRNA, complete cds."   |                |

|                    |             |                 |         |
|--------------------|-------------|-----------------|---------|
| Examiner Signature | Prerna Menz | Date Considered | 10/6/03 |
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|  |   |    |   | Application Number       | Unknown 10/695795    |
|  |   |    |   | Filing Date              | Herewith 10/27/03    |
|  |   |    |   | First Named Inventor     | Jacqueline C. TIMANS |
|  |   |    |   | Art Unit                 | Unknown 1646         |
|  |   |    |   | Examiner Name            | Unknown Prerna Menz  |
| Sheet  | 3 | of | 5 | Attorney Docket Number   | DX0904KB             |

## NON PATENT LITERATURE DOCUMENTS

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|--------------------|-----------------------|---|----------------|
| PM                 | AU                    | STEVEN K. HANKS, et al., Methods in Enzymology, 200:38-62, 1991. "[2] Protein Kinase Catalytic Domain Sequence Database: Identification of Conserved Features of Primary Structure and Classification of Family Members"  |                |
|                    | AV                    | C.H. HANNON, et al., GenBank, Accession Number I09591, November 14, 1994. Definition: "Sequence 1 from Patent WO 8911540"   |                |
|                    | AW                    | C.H. HANNON, et al., GenBank, Accession Number I09592, November 14, 1994. Definition: "Sequence 3 from Patent WO 8911540"   |                |
|                    | AX                    | DAN HULTMARK, Nature, 367:116-117, January 13, 1994. "Ancient Relationships"  |                |
|                    | AY                    | C.A. HUNTER, et al., J. Immunology, 155:4347-4345, 1995. "IL-1 $\beta$ Is Required for IL-12 to induce Production of IFN- $\gamma$ by NK Cells. A Role for IL-1 $\beta$ in the T Cell-Independent Mechanism of Resistance Against Intracellular Pathogens."     |                |
|                    | AZ                    | J.K. JENKINS, et al., GenBank, Accession Number U65590, December 22, 1997. Definition: "Homo sapiens IL-1 receptor antagonist IL-1Ra (IL-1RN) gene, alternatively spliced forms, complete cds."   |                |
|                    | BA                    | BRUNO LEMAITRE, et al., Cell, 86:973-983, September 20, 1996. "The Dorsal/ventral Regulatory Gene Cassette <i>spätzle/Toll/cactus</i> Controls the Potent Antifungal Response in <i>Drosophila</i> Adults"  |                |
|                    | BB                    | S.R. LEONG, GenBank, Accession Number X12497, March 13, 1995. Definition: "Bovine mRNA for interleukin-1 alpha"   |                |
|                    | BC                    | PATRICIA J. LODI, et al., Science, 263:1762-1767, March 25, 1994. "High-Resolution Structure of the $\beta$ Chemokine hMIP-1 $\beta$ by Multidimensional NMR"   |                |
|                    | BD                    | C.R. MALISZEWSKI, GenBank, Accession Number X52731, March 31, 1995. Definition: "Pig mRNA for interleukin 1-alpha"  |                |
|                    | BE                    | C.J. MARCH, et al., GenPept, Accession Number 124297, October 1, 1996. Definition: "Interleukin-1 alpha precursor (IL-1 alpha (hematopoietin-1))"   |                |
|                    | BF                    | M. MARRA, et al., GenBank, Accession Number AA030324, January 21, 1997. Definition: "m108c10.r1 Soares mouse placenta 4NbMP13.5 14.5 Mus musculus cDNA clone 459858 5', mRNA sequence"  |                |
|                    | BG                    | M. MARRA, et al., GenBank, Accession Number W08205, September 5, 1996. Definition: "mb49b11.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone 332733 5' similar to PIR:A49031 A49031 interleukin 1 receptor antagonist - mouse ; mRNA sequence"                 |                |

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|--------------------|-------------|-----------------|---------|
| Examiner Signature | Prerna Menz | Date Considered | 10/6/05 |
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**INFORMATION DISCLOSURE  
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|------------------------|----------------------|
| Application Number     | Unknown 10/695195    |
| Filing Date            | Herewith 10/27/03    |
| First Named Inventor   | Jacqueline C. TIMANS |
| Art Unit               | Unknown 1646         |
| Examiner Name          | Unknown Prerna Menz  |
| Attorney Docket Number | DX0904KB             |

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4

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**NON PATENT LITERATURE DOCUMENTS**

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|--------------------|-----------------------|---|----------------|
| PW                 | BH                    | Y. MASAOKI, et al., GenBank, Accession Number E01109, November 26, 1996.<br>Definition: "cDNA sequence of human IL-1"   |                |
|                    | BI                    | Y. MASAOKI, et al., GenBank, Accession Number E01442, November 26, 1996.<br>Definition: "cDNA encoding human IL-1"  |                |
|                    | BJ                    | CATHERINE J. MCMAHAN, et al., The EMBO Journal, 10(10):2821-2832, October 1991.<br>"A novel IL-1 receptor, cloned from B cells by mammalian expression, is expressed in many cell types"  |                |
|                    | BK                    | DONALD MORISATO & KATHRYN V. ANDERSON, Annu. Rev. Genetics, 29:371-399, 1995.<br>"Signaling pathways that establish the dorsal-ventral pattern of the Drosophila embryo"  |                |
|                    | BL                    | T. NISHIDA, et al., GenBank, Accession Number D00403, January 19, 1992.<br>Definition: "Rat interleukin-1 alpha mRNA, complete cds."  |                |
|                    | BM                    | HARUKI OKAMURA, et al., Nature, 378:88-91, November 2, 1995. "Cloning of a new cytokine that induces IFN-g production by T cells"   |                |
|                    | BN                    | JOOST J. OPPENHEIM, et al., Ann. Rev. Immunol. 9:617-648, 1991.<br>"Properties of the novel proinflammatory supergene 'intercrine' cytokine family"   |                |
|                    | BO                    | LAURA L. PARKER, et al., NATURE, 363:736-738, June 24, 1993.<br>"Phosphorylation and inactivation of the mitotic inhibitor Wee1 by the nim1/cdr1 kinase"  |                |
|                    | BP                    | HELGE ROTHE, et al., The Journal of Clinical Investigation, 99(3):469-474, February 1997.<br>"Active Stage of Autoimmune Diabetes Is Associated with the Expression of a Novel Cytokine, IGIF, Which Is Located Near Idd2 "                                     |                |
|                    | BQ                    | ROGER A. SAYLE & E. JAMES MILNER-WHITE, TIBS, 20:374-376, September 1995.<br>"RASMOL: biomolecular graphics for all"  |                |
|                    | BR                    | H.F. SEOW, GenBank, Accession Number X56972, May 26, 1992.<br>Definition: "Ovine IL-1 beta mRNA for interleukin-1 beta"   |                |
|                    | BS                    | DIRK E. SMITH, et al. J. Biol. Chem. 275(2):1169-1175, Jan. 14, 2000.<br>"Four new members expand the interleukin-1 superfamily"  |                |
|                    | BT                    | ROBERT STRAUSBERG (NCI-CGAP), GenBank, Accession No. AI014548, August 27, 1998.<br>Definition: "ou40f01.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1628761 3', mRNA sequence."  |                |
|                    | BU                    | J.L. TELFORD, et al., GenBank, Accession Number X04964, September 16, 1994.<br>Definition: "Murine interleukin-1 beta gene"   |                |

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|  |   |    |   | Application Number                | Unknown — 10/695195  |
|  |   |    |   | Filing Date                       | Herewith 10/27/03    |
|  |   |    |   | First Named Inventor              | Jacqueline C. TIMANS |
|  |   |    |   | Art Unit                          | Unknown 1616         |
|  |   |    |   | Examiner Name                     | Unknown Prerna Meng  |
|  |   |    |   | Attorney Docket Number            | DX0904KB             |
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| Examiner<br>Signature | <i>Reena Menz</i> | Date<br>Considered | 10/6/05 |
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